

## HIGH SPEED VIDEO MIXER CIRCUIT

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### 5 ABSTRACT OF THE DISCLOSURE

*Sub Q2* A video preamplifier having an on-screen display (OSD) capability uses one channel of an OSD input video signal to generate a blanking signal for blocking output of a video signal. When the blanking signal is asserted, the remainder two channels provide the on-screen display. The blanking signal is generated in a high speed mixer circuit including an emitter-coupled differential pair for amplifying the OSD input signal about an operating DC offset voltage and a pull down circuit for providing the blanking signal.

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